

# DOD HUMAN TICK TEST KIT PROGRAM

## Ticks Removed from Humans, CY 2005

Tick Species	Identifi ed	Teste	Positive								
			LD <sup>1</sup>	Bab <sup>2</sup>	HGE <sup>3</sup>	EE <sup>4</sup>	Results	HME <sup>5</sup>	STARI <sup>6</sup>	RMSF <sup>7</sup>	RP <sup>8</sup>
<i>Amblyomma americanum</i> (lone star tick)	2013	1998*	---	---	---	27	13	15	---	---	---
<i>Dermacentor variabilis</i> (American dog tick)	274	273	---	---	---	---	---	---	---	0	---
<i>Ixodes scapularis</i> (blacklegged tick, a.k.a. deer tick)	401	396*	90	7	10	---	---	---	---	---	---
<i>Amblyomma maculatum</i> (Gulf Coast tick)	11	11 *	---	---	---	---	---	---	---	---	1
<i>Ixodes cookei</i> (groundhog tick)	1	0***	---	---	---	---	---	---	---	---	---
<i>Ixodes pacificus</i> (western blacklegged tick)	3	3	0	0	0	---	---	---	---	---	---
<i>Rhipicephalus sanguineus</i> (brown dog tick)	7	7	---	---	---	---	---	---	---	0	---
<b>Totals</b>	2725	2695	90	7	10	27	13	15	0	0	1

1. Lyme disease, caused by *Borrelia burgdorferi*

2. Babesiosis, caused by *Babesia microti*

3. Human granulocytic ehrlichiosis, caused by *Anaplasma*

4. Human monocytic ehrlichiosis, caused by *Ehrlichia ewingii*, a pathogen formerly only known to cause canine granulocytic ehrlichiosis.

\* 1 of these ticks was coinfecte with *B. lonestari* and *E. chaffeensis*.

\*\* 6 of these ticks were coinfecte with *B. burgdorferi* and *B. microti*, 6 were coinfecte with *B. burgdorferi* and *A. phagocytophilum*, and 1 was coinfecte with *B. microti* and *A. phagocytophilum*.

\*\*\* We do not currently test *I. cookei* for Powassan virus.

5. Human monocytic ehrlichiosis, caused by *Ehrlichia*

6. South African tick associated rash illness, caused by *Borrelia*

7. Rocky Mountain spotted fever, caused by *Rickettsia rickettsii*

8. Rickettsial illness, caused by *Rickettsia parkeri*